



The potential costs of climate change in tropical vector-borne diseases—A case study of malaria and dengue in Colombia

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Abstract:

Malaria and dengue are infectious diseases transmitted by vector organisms, mosquitoes, and caused by parasite microorganisms. Both diseases have spread over tropical latitudes where complex factors determining their incidence involve not only biological but also climate, demographic, and societal conditions.

Source: <https://openknowledge.worldbank.org/handle/10986/20194>

Resource Description

Early Warning System:

resource focus on systems used to warn populations of high temperatures, extreme weather, or other elements of climate change to prevent harm to health

A focus of content

Exposure :

weather or climate related pathway by which climate change affects health

Unspecified Exposure

Geographic Feature:

resource focuses on specific type of geography

Mountain, Ocean/Coastal, Tropical

Geographic Location:

resource focuses on specific location

Non-United States

Climate Change and Human Health Literature Portal

Non-United States: Central/South America, Non-U.S. North America

Health Impact: ☒

specification of health effect or disease related to climate change exposure

Infectious Disease

Infectious Disease: Vectorborne Disease

Vectorborne Disease: Mosquito-borne Disease

Mosquito-borne Disease: Dengue, Malaria

Medical Community Engagement: ☒

resource focus on how the medical community discusses or acts to address health impacts of climate change

A focus of content

Model/Methodology: ☒

type of model used or methodology development is a focus of resource

Cost/Economic, Outcome Change Prediction, Other Projection Model/Methodology

Other Projection Model/Methodology: economic discussion only

Population of Concern: A focus of content

Population of Concern: ☒

populations at particular risk or vulnerability to climate change impacts

Low Socioeconomic Status

Resource Type: ☒

format or standard characteristic of resource

Review

Timescale: ☒

time period studied

Short-Term (

Vulnerability/Impact Assessment: ☒

resource focus on process of identifying, quantifying, and prioritizing vulnerabilities in a system

A focus of content